

## ABSTRACT

A system and method for classifying radar emitters includes: (a) receiving a plurality of signals from the radar emitters; (b) generating data components for each signal received from the radar emitters; (c) forming multi-  
5 dimensional samples using the generated data components; and (d) sorting the multi-dimensional samples into a plurality of data clusters, based on their respective proximity to the data clusters, each data cluster representing a classification of a radar emitter.